



## *JCALs - LM CITIS INTERFACE - Highlights*

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- CITIS Server originally designed to provide method for Lockheed Martin to input information into JCALs and have JCALs send comments back to LM during the ECP to ORDALT Process.
- IPC (Inter Processor Communication) Message format developed.
- File are identified by types of file (Tech Brief, ECP, TM Change, etc).
- IPC Message initiates appropriate workflow in JCALs.



## *JCALS - LM CITIS INTERFACE - Highlights*

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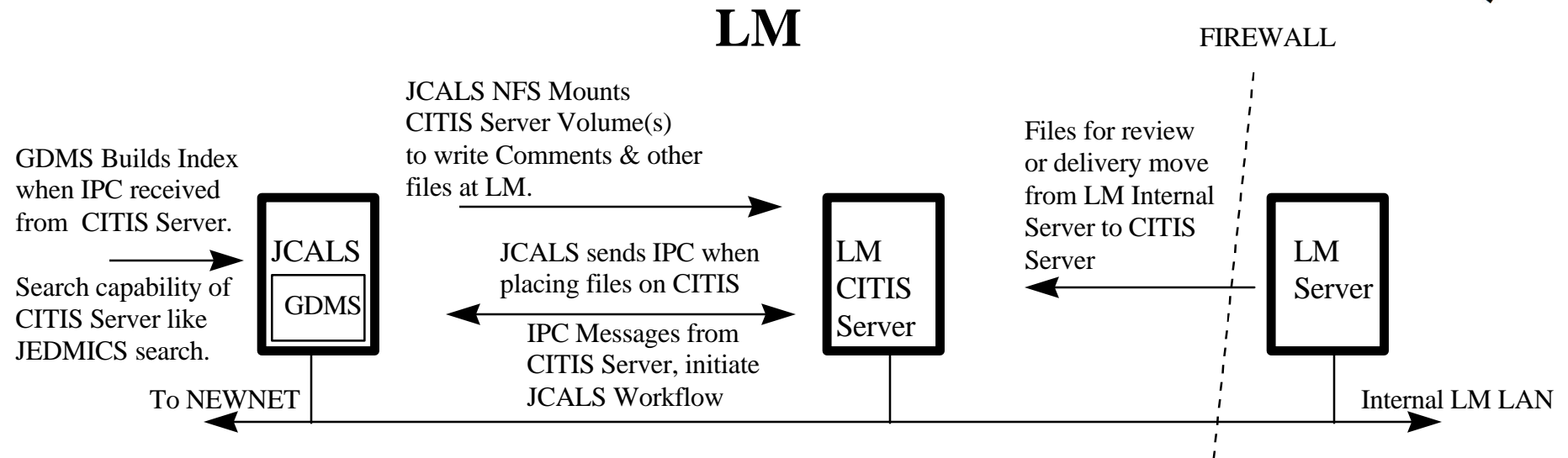
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- Message format and responses permits LM to place multiple files in same Workfolder (logically group information).
- LM can use IPC Messages generated by JCALS to Initiate, Resume or Conclude LM's Internal Workflow processes.
- CITIS Interface enables ECP to ORDALT Process to be conducted electronically - no need to pass paper between participants.
- CITIS Interface design flexible, will accommodate other file types in the future, in addition to the file types used in ECP to ORDALT Process.



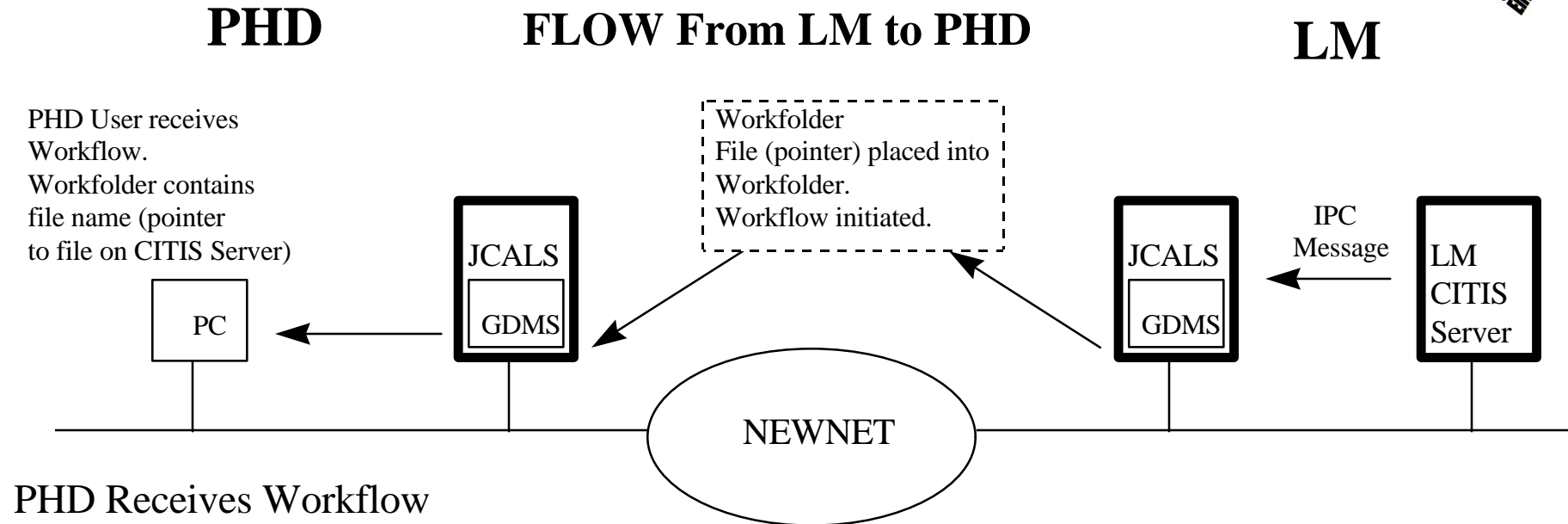
# JCALS - LM CITIS INTERFACE



1. When file placed on CITIS Server for review:
  - a) An IPC message is generated.
  - b) Message contains:
    - File Name
    - Path (Fully Qualified)
    - Type of File (TB, ECP, OI, TM, Drawing)
    - ORDALT Number
    - Document Name (32 characters)
    - Review or Delivery Indicator
    - Add or Delete Indicator
2. IPC Message receipt at JCALS causes:
  - a) Index Data on GDMS built or updated
  - b) Workfolder created (name = file name & document name)
  - c) File placed in Workfolder
  - d) Appropriate Workflow initiated (Tech Brief, ECP, TM Change, etc.)



# JCALS - LM CITIS INTERFACE



1. By double clicking on the file name in the Workfolder:
  - a) File is retrieved from LM CITIS Server.
  - b) If file an ECP/ORDALT Item, Commenting tool starts MS Word or Acrobat for pdf.  
File is presented in read only mode.
2. PHD User determines what to do with file - who needs to review/comment on this file.
3. If more information is needed for review of this file:
  - a) User can search LM CITIS Server for documents or drawings related to this ECP/ORDALT Number.  
Search conducted like JEDMICS search.
4. Workfolder points to CALS 2 file.



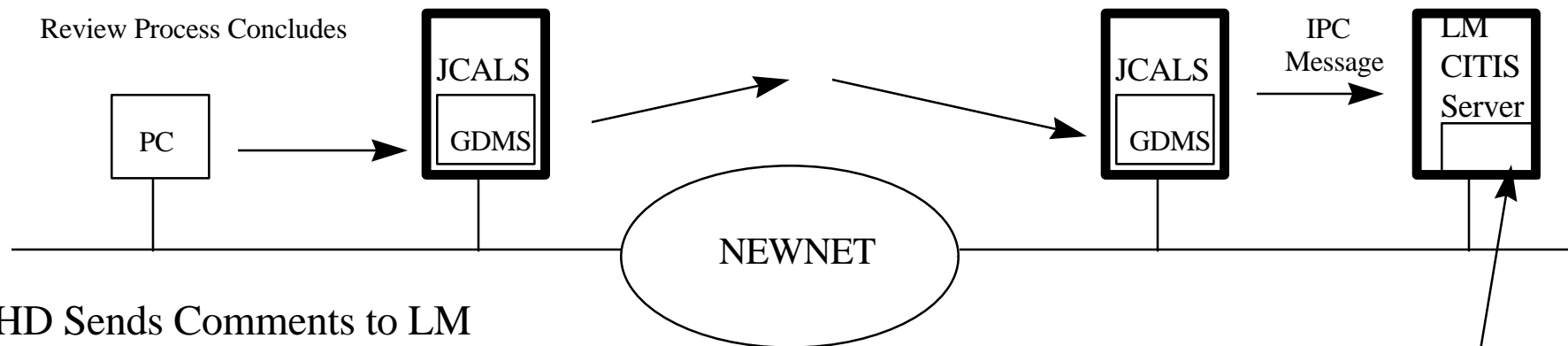
# JCALs - LM CITIS INTERFACE



PHD

FLOW From PHD to LM

LM



## PHD Sends Comments to LM

1. PHD User determines if comments need to be consolidated. Edits / deletes comments as desired.
2. PHD User selects an EXPORT Comments Function:
  - a) All selected Comments are extracted from Database and placed into an ASCII file.
  - b) Comment file is named as originally reviewed file, but **.cmt** is appended to end.
3. Send\_File\_To Function invoked.
4. JCALs' GDMS at LM receives Send\_File\_To Function.
5. Comment File is written to NFS mounted drive on LM CITIS Server.
6. JCALs Server sends IPC Message to LM CITIS Server that comment file has been placed on CITIS Server.